

INTERNATIONAL SEARCH REPORT

International application No.

PCT/FI 2004/050187

A. CLASSIFICATION OF SUBJECT MATTER

IPC7: D21F 1/20, B06B 1/16

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7: B06B, D21F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

SE,DK,FI,NO classes as above

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

EPO-INTERNAL, WPI DATA, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	GB 836957 A (JOHN RICHARD LANE), 9 June 1960 (09.06.1960), page 1, line 16 - line 30; page 2, line 54 - line 101, figures 2-6; claim 1, abstract --	1-16
A	US 4481835 A (STIG STORM), 13 November 1984 (13.11.1984), claims 1-2, abstract --	5-11,14-16
A	DE 9317640 U1 (DÖRRRIES GMBH), 10 March 1994 (10.03.1994), figures 1-9, abstract --	1-16

Further documents are listed in the continuation of Box C.

See patent family annex.

* Special categories of cited documents:	
"A" document defining the general state of the art which is not considered to be of particular relevance	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"E" earlier application or patent but published on or after the international filing date	"X" document of particular relevance: the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"Y" document of particular relevance: the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"O" document referring to an oral disclosure, use, exhibition or other means	"&" document member of the same patent family
"P" document published prior to the international filing date but later than the priority date claimed	

Date of the actual completion of the international search

1 April 2005

Date of mailing of the international search report

15-04-2005

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INTERNATIONAL SEARCH REPORT

International application No.

PCT/FI 2004/050187**C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT**

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 9108842 A2 (GEDIB INGENIERBURO UND INNOVATIONSBERATUNG GMBH), 27 June 1991 (27.06.1991), figures 1-7, abstract -- -----	1-16

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

PCT/FI 2004/050187

GB 836957 A 09/06/1960 NONE

US	4481835	A	13/11/1984	AT	386029	B	27/06/1988
				AT	396082	A	15/11/1987
				AU	549411	B	23/01/1986
				AU	8982582	A	05/05/1983
				BR	8206137	A	20/09/1983
				CA	1183024	A	26/02/1985
				CH	650820	A	15/08/1985
				DE	3239266	A,C	05/05/1983
				ES	516881	A	16/06/1983
				ES	8307318	A	16/10/1983
				FR	2515383	A,B	29/04/1983
				GB	2108235	A,B	11/05/1983
				IT	1192516	B	20/04/1988
				IT	8209524	D	00/00/0000
				JP	1595924	C	27/12/1990
				JP	2020765	B	10/05/1990
				JP	58083704	A	19/05/1983
				MX	157690	A	09/12/1988
				SE	443591	B,C	03/03/1986
				SE	8106358	A	29/04/1983
				ZA	8207190	A	31/08/1983

DE 9317640 U1 10/03/1994 NONE

WO	9108842	A2	27/06/1991	DE	4000011	A,C	27/06/1991
				DE	4009609	A	27/06/1991
				DE	9116345	U	22/10/1992
				DE	59007169	D	00/00/0000
				EP	0506722	A,B	07/10/1992
				JP	5504291	T	08/07/1993